



(12) **United States Patent**
Leung et al.

(10) **Patent No.:** **US 8,352,879 B2**
(45) **Date of Patent:** **Jan. 8, 2013**

(54) **METHOD FOR SWAPPING DISPLAY CONTENTS BETWEEN MULTIPLE SCREENS**

(56) **References Cited**

(75) Inventors: **Chee-Chun Leung**, Tao Yuan Shien (TW); **Ming-Chuan Hu**, Taipei County (TW); **Han-Hsing Ying**, Taoyuan County (TW); **Chun-Ming Hu**, Tainan (TW); **Li-Da Chen**, Kaohsiung (TW)

U.S. PATENT DOCUMENTS

6,917,348 B2 * 7/2005 Demsky et al. 345/1.1
8,032,832 B2 * 10/2011 Russ et al. 715/731
8,095,887 B2 * 1/2012 Lee et al. 715/788
8,154,473 B2 * 4/2012 Engel et al. 345/4
2011/0113486 A1 * 5/2011 Hunt et al. 726/19
2012/0194487 A1 * 8/2012 Roethig et al. 345/204

(73) Assignee: **Quanta Computer Inc.**, Tao Yuan Shien (TW)

* cited by examiner

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 251 days.

Primary Examiner — David Phantana Angkool

(74) *Attorney, Agent, or Firm* — Rabin & Berdo, P.C.

(21) Appl. No.: **12/959,450**

(22) Filed: **Dec. 3, 2010**

(65) **Prior Publication Data**

US 2011/0296343 A1 Dec. 1, 2011

(30) **Foreign Application Priority Data**

May 28, 2010 (TW) 99117311 A

(51) **Int. Cl.**
G06F 3/048 (2006.01)

(52) **U.S. Cl.** 715/799; 715/781; 715/788; 715/802

(58) **Field of Classification Search** 715/799,
715/781, 788, 802

See application file for complete search history.

(57) **ABSTRACT**

A method for swapping display contents between a first and a second screen. The first screen is a primary screen. A window is displayed on one of the first and the second screen. The method includes: calculating a window movement distance according to a relative position between the first and the second screen; performing swapping to set the second screen as the primary screen; obtaining a coordinate of the window after swapping; obtaining a first coordinate by adding the window movement distance to the coordinate of the window after swapping if the window is located in the first screen before swapping; obtaining a second coordinate by subtracting the window movement distance from the coordinate of the window after swapping if the window is located in the second screen before swapping; moving the window from one of the first and the second screen to the other.

8 Claims, 6 Drawing Sheets

